REMARKS

This Amendment is submitted in response to the Office Action dated March 18, 2004, having a shortened statutory period set to expire June 18, 2004. Claims 21-23 are added. Claims 1-23 are now pending.

REJECTIONS UNDER 35 U.S.C. § 103

In the present Office Action, Claims 1-20 are rejected under 35 U.S.C. §103(a) as being unpatentable over *Bergenwall, et al.* (U.S. Patent No. 6,567,667 – *"Bergenwall"*) in view of *Feldman, et al.* (U.S. Patent No. 6,055,561 - *"Feldman"*).

Bergenwall teaches a method of performing Mobile IP re-registrations by a Foreign Agent (for the IPv4 protocol) or a Foreign Network Intermediate Identity (for IPv6) to reduce signaling traffic (re-registration messages) of an RF link.

Feldman teaches a method of mapping IP routing information into label switching protocols such as ATM, by creating a conversion table between some fields of the IP Header (such as Next Hop, Egress ID, etc.) and the ATM Header (such as VPI, VCI, etc.)

With reference to exemplary Claim 1, neither cited art teaches or suggests a mobile Internet Protocol extension that has "a type field containing a type value identifying a collection of extensions having a common data type," and "a sub-type field containing a unique number assigned to a member of the collection of extensions identified by the type value within the type field."

The Examiner never addresses the feature of "a type field containing a type value identifying a collection of extensions having a common data type." That is, the Examiner does not cite and the prior art does not teach or suggest identifying a collection of extensions that have a common data type (e.g., network access identifiers) by a type value, and then storing that type value in the type field.

The Examiner admits that *Bergenwall* does not disclose "a sub-type field identifying a member of the collection of extensions identified by the type field," but then in a *non sequitur* cites *Feldman* for the teaching an "extensions format for use in a registration

request/acknowledge messages includes sub-type of the object field (Col. 20, lines 4 plus)." The Examiner further states that one "skilled in the art...would have applied Feldman's teaching of the extension format structures for use in a registration request/acknowledgement messages in Bergenwall's novel use of the extension attached to the registration request sent from the mobile node to the foreign agent."

The Examiner's arguments fail on several levels.

First, *Feldman* does not teach an extension format. *Feldman*, and particularly the cited passage at col. 30, lines 4 et seq., deals with a software structure, not an extension. That is, *Feldman* teaches a mapping of a Layer 2 data link object into a Layer 3 network object via ATM. There is no teaching or suggestion of an extension format in which there is "a sub-type field containing a unique number assigned to a member of the collection of extensions identified by the type value within the type field," particularly where "the mobile Internet Protocol operates in Layers 5-7 of the Open System Interconnection (OSI) model" (exemplary claim 22). (As is known to those skilled in the art, the mobile Internet Protocol is an upper level (levels 5-7) protocol, and is unrelated to lower level IP protocols.)

Second, the Examiner concludes with the statement that "it would have been obvious...to apply Feldman's mapping of routing traffic to switching networks into Bergenwall's registration for mobile nodes..." Even if this were true, it would have nothing to do with the present claims, as described and discussed above. That is, such a combination would not result in a mobile Internet Extension in which there is a "type field containing a type value identifying a collection of extensions having a common data type" and "a sub-type field containing a unique number assigned to a member of the collection of extensions identified by the type value within the type field." Specifically, there is no teaching or suggestions, *inter alia*, of a "type value identifying a collection of extensions" in which the collection of extensions have "a common data type," nor is there a teaching or suggestion of a "unique number assigned to a member of the collection of extensions."

As there is no teaching or suggestion of all of the claim limitations of the presently pending claims, Applicants request that the rejections be withdrawn, and all claims allowed to issue.
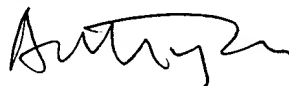
CONCLUSION

Applicants now respectfully request a Notice of Allowance for all pending claims.

The present amendment includes one new independent claim and two new dependent claims, for which a fee of **$122.00** is due. Enclosed is a check in the amount of **$122.00** to cover this fee.

No extension of time for this response is believed to be necessary. However, in the event an extension of time is required, that extension of time is hereby requested.

Respectfully submitted,

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